DEPARTMENT OF THE ARMY
GALVESTON DISTRICT, CORPS OF ENGINEERS
P.O. BOX 1229
GALVESTON, TEXAS 77553-1229

March 2004
HYDROGRAPHIC BULLETIN

CHANNELS WITH PROJECT DEPTHS UNDER 25 FEET

A report of the depths available for navigation in the Federal Project Waterways of the Galveston District

★ Indicates changes from previous report

● Indicates dredging under contract

✪ Indicates changes from previous report and dredging under contract

Distances are in statute miles

Depths are based on Corps of Engineers mean low tide datum

NOTE: Miles are measured west of Harvey Lock, Louisiana, via the channel across Galveston Bay and channel from Aransas Bay to Corpus Christi Bay.

NOTE: Mileage's are measured west of Harvey Lock, Louisiana, via the Gulf Intracoastal Waterway and Houston Ship Channel to the usual take-off points on Houston Ship Channel.

The main route of the Gulf Intracoastal Waterway traverses the following reaches of other waterways that are maintained under separate projects:

Waterway	Reach
Sabine - Neches Waterway	Sabine River to West Port Arthur
Port Isabel Channel	Port Isabel Turning Basin to Connecting Channels
Connecting Channel *	Port Isabel Channel to Brownsville Channel
Brownsville Channel	Connecting Channel* to Port Brownsville

* Channel connecting Port Isabel and Brownsville Channel called the East and West Wye's.

Critical reaches of the waterway. Interruptions to traffic may occur during rises in the Brazos River since it may not be practicable to operate the floodgates at this crossing during such periods. Some delays may occur at the Colorado River Locks while vessels are locked for passage across the river during rises. Experience thus far in operating the Brazos River Floodgates and the Colorado River Locks has indicated that shoaling during rises of short duration is usually negligible when the structures are kept closed and causes no interruptions to traffic. During major rises in the rivers; however, heavy shoaling may occur in the forebays of the structures; and at times, some dredging may be required before traffic can pass.

March 2004

SHALLOW DRAFT CHANNELS	Date of Survey	Feet Width	Miles Length	Feet Depth	PROJECT CONDITIONS Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
GULF INTRACOASTAL WATERWAY MAIN CHANNEL							
Sabine River - High Island	● 07/03	125	53.1	12	9.9	11.0	10.0
High Island - Galveston Bay	✪ 01/04	125	30.0	12	★ 16.1	★ 16.3	★ 16.3
Across Galveston Bay	★ 01/04	125	7.2	12	★ 15.2	★ 16.0	★ 16.2
Alternate Route via Galv. Ch.(REOPENED)	07/03	125	10.3	12	10.2	10.2	9.3
Galveston Bay - Chocolate Bayou	01/04	125	19.0	12	13.6	14.6	13.4
Chocolate Bayou - Freeport Harbor	10/03	125	19.0	12	10.1	10.9	9.3
Freeport Harbor - Brazos River	07/03	125	5.9	12	4.8	6.2	8.8
Brazos River Crossing	09/03	125	0.7	12	10.0	9.4	6.6
Brazos River - San Bernard River	★⑦ 02/04	125	4.0	12	★ 9.3	★ 11.8	★ 12.1
San Bernard River - Colorado River	★ 01/04	125	35.6	12	★ 14⑨	★ 14.9	★ 13.8
Colorado River Crossing	01/04	125	1.0	12	11.5	14.1	10.9
Colorado River - Matagorda Bay (Mile 461.6 WHL)	★⑨ 02/04	125	20.1	12	★ 14.5	★ 16.5	★ 16.0
Mile 461.6 - Port O'Connor	11/02	125	11.1	12	5.5	13.2	13.4
Port O'Connor - San Antonio Bay	07/03	125	19.0	12	9.1	10.2	9.4
Across San Antonio Bay	01/03	125-235	8.6	12	10.5	11.0	10.0
San Antonio Bay - Aransas Bay (Light 1)	01/03	125	10.4	12	11.0	12.5	12.5
Across Aransas Bay	10/02	125	13.8	12	16.0	16.0	16.0
Aransas Bay to Corpus Christi Ship Channel	02/03	125	14.4	12	6.0	7.8	8.9
Alternate Route via Lydia Ann Channel:							
Aransas Bay 49 to Light 83	10/02	125	7.9	12	9.8	11.6	12.0
Light 83 to Corpus Christi Ship Channel	10/02	125	3.8	12	11.4	11.1	10.3
Corpus Christi Ship Channel to S. Bird Island	5/02	125	25.2	12	3.0	10.0	11.0
S. Bird Island to Light 175	5/02	125	22.5	12	9.3	10.5	9.8
Light 175 - Banderia Island	③ 04/03	125	21.6	12	③ 5.8	11.4	11.2
Banderia Island - Channel to Port Mansfield	4/03	125	23.2	12	10.8	9.5	6.7
Channel to Port Mansfield-Arroyo Colorado	10/03	125	14.5	12	8.1	11.1	10.2
Arroyo Colorado - Port Brownsville	10/03	125	37.6	12	10.5	10.5	8.4

March 2004

SHALLOW DRAFT CHANNELS		Date of Survey	Feet Width	Miles Length	Feet Depth		Left ¼ Channel (Feet)		Middle ½ Channel (Feet)		Right ¼ Channel (Feet)
PROJECT DIMENSIONS						**PROJECT CONDITIONS**					
GULF INTRACOASTAL WATERWAY TRIBUTARY CHANNELS											
ADAMS BAYOU CHANNEL											
Channel	★	01/04	100	1.6	12	★	5.0		7.0		6.0
DOUBLE BAYOU											
4.1 Miles in Bay to Mouth of Bayou		10/03	125	4.1	7		4.0		6.0		6.0
Mouth of Bayou to 2 Miles above Mouth		10/03	100	2.0	7		5.0		6.0		5.0
COW BAYOU CHANNEL											
Channel		10/01	100	7.1	13		4.0		8.0		7.0
Orangefield Turning Basin		6/01	300	0.1	13		1.0		4.3		6.0
OFFATTS BAYOU CHANNEL											
Channel		5/02	125	2.2	12		5.0		6.8		5.1
CHOCOLATE BAYOU CHANNEL											
Bay Channel		01/04	125	5.6	12		8.2		10.4		9.3
Land Cut		07/03	125	2.9	12		8.0		9.3		8.4
SAN BERNARD RIVER CHANNEL											
Mile 0 to Mile 0.5	★	02/04	1032-100	0.5	9	★	2.6	★	7.8	★	2.5
Mile 0.5 to Mile 3.75	★	02/04	100	3.3	9	★	7.9	★	9.9		6.7
Mile 3.75 to Mile 8.0		4/94	100	4.3	9		n/a		9.0		n/a
Mile 8.0 to Mile 20.5		4/94	100	12.5	9		n/a		9.0		n/a
Mile 20.5 to Mile 25.2		4/94	100	4.7	9		n/a		9.5		n/a
Mile 25.2 to Mile 26.0		4/94	100	0.8	9		n/a		9.0		n/a
MOUTH OF THE COLORADO RIVER											
Mile 0 (Gulf) to Mile 0.8	★	02/04	200	0.8	15	★	0.3	★	1.9	★	0.1
Mile 0.8 to Mile 2.5	★	01/04	100	1.7	12		9.4	★	0.6	★	0.8
Mile 2.5 to Mile 7.11 (GIWW)		01/04	100	4.6	12		9.5		9.7		7.6

March 2004

SHALLOW DRAFT CHANNELS		Date of Survey	Feet Width	Miles Length	Feet Depth		Left ¼ Channel (Feet)		Middle ½ Channel (Feet)		Right ¼ Channel (Feet)
							PROJECT DIMENSIONS				**PROJECT CONDITIONS**
COLORADO RIVER CHANNEL											
By-Pass Channel	★	01/04	100	0.9	9	★	13.3		8.3		4.7
Mile 0 (GIWW) to Mile 2	★	02/04	100	2.0	9	★	9.8	★	9.5		7.2
Mile 2 to Mile 8	★	02/04	100	6.0	9	★	3.5	★	5.8	★	5.4
Mile 8 to Mile 13.5		2/01	100	5.5	9		0.5		9.0		7.3
Mile 13.5 to Mile 15.5		08/03	100	2.0	9		7.1		11.9		10.4
Turning Basin		08/03	100	0.1	9		11.2		12.5		12.7
CHANNEL TO PALACIOS											
Mile 0 (GIWW) to Light 40		11/01	125	10.0	12		13.8		13.7		13.3
Light 40 to City Basin		11/01	125	6.2	12		14.0		14.0		14.0
City Basin		2/02	150	0.1	12		14.0		14.0		14.0
Entrance Channel to Mun. Basin		2/02	400-130	0.1	12		14.0		14.0		14.0
Municipal Basin		2/02	240	0.2	12		14.0		14.0		14.0
CHANNEL TO PORT LAVACA AND RED BLUFF											
Port Lavaca Channel		07/03	125	4.1	12		10.7		10.4		10.3
Lynn Bayou Turning Basin	●	4/02	30-300	0.1	12		12.5		12.9		12.6
Port Lavaca Harbor of Refuge:											
Approach Channel	●	4/02	125	2.1	12		8.4		9.0		9.0
North-South Basin	●	4/02	300	0.3	12		9.2		12.0		11.0
East-West Basin	●	4/02	250	0.3	12		9.5		12.0		12.0
Extension to Red Bluff via Lavaca and Navidad Rivers:											
Mile 0 to Mile 6.5		4/01	100	6.5	6		2.0		2.4		2.0
Mile 6.5 to F.M. Rd. 616		6/99	100	13.7	6		4.0		4.0		4.0

March 2004

SHALLOW DRAFT CHANNELS		Date of Survey	PROJECT DIMENSIONS Feet Width	Miles Length	Feet Depth	PROJECT CONDITIONS Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
CHANNEL TO VICTORIA								
Mile 0 (GIWW) to Mile 11	●	12/01	100	11.0	9	6.3	8.4	5.5
Westerly connecting 'Y' channel		11/02	100	0.8	9	14.0	14.0	14.0
Mile 11 to Mile 14.0		08/03	100	3.0	9	9.6	12.2	9.7
Mile 14.0 to Mile 29		08/03	100	15.0	9	5.5	11.3	6.1
Mile 29 to Mile 34.7		4/02	100	5.7	9	14.0	14.0	14.0
Turning Basin		4/02	100-818	0.2	9	14.0	14.0	14.0
Connecting Channel to Seadrift		12/01	100	2.0	12	4.3	4.8	4.3
Seadrift Turning Basin		12/01	230	0.0	9	6.7	7.7	8.8
CHANNEL TO FULTON								
Channel		10/99	100	0.5	12	5.0	6.5	5.5
Turning Basin		10/99	200	0.2	12	6.0	7.0	6.0
CHANNEL TO ROCKPORT								
Channel		9/00	100	6.8	9	9.5	10.0	9.0
Harbor Basin		9/00	350	0.2	9	5.0	8.0	7.0
CHANNEL TO ARANSAS PASS								
Channel	●	10/01	125-175	6.1	14	10.0	9.1	9.1
Turning Basin		3/01	300	0.4	14	15.0	15.5	15.0
Connecting Channel		3/01	125	0.1	14	15.0	15.0	15.0
Conn Brown Harbor		3/01	50-510	0.4	14	15.0	15.0	15.0
CHANNEL TO PORT ARANSAS								
Channel		11/00	100	0.2	12	7.0	7.0	6.0
Turning Basin		11/00	200-400	0.2	12	7.0	7.0	7.0

March 2004

SHALLOW DRAFT CHANNELS	Date of Survey	PROJECT DIMENSIONS Feet Width	Miles Length	Feet Depth	PROJECT CONDITIONS Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
CHANNEL TO PORT MANSFIELD							
Entrance Channel	3/03	250	0.7	16	10.0	11.5	13.1
Mile 0.7 to Mile 1.3	03/03	100-300	0.6	14	10.0	13.2	14.8
Mile 1.3 to Mile 3	3/03	100	1.7	14	11.0	11.0	11.2
Mile 3 to Mile 6	03/03	100	3.0	14	13.2	13.3	13.8
Mile 6 to Main Channel (GIWW)	03/03	100	2.9	14	8.4	9.1	8.7
Entrance Curves	6/01	200	0.6	12	7.1	7.1	6.8
Main Channel to Turning Basin	03/03	125-200	0.9	14	10.7	12.1	12.0
Turning Basin	03/03	200-400	0.7	14	13.0	14.4	13.0
Shrimp Basin	3/03	350	0.3	12	11.5	12.2	12.1
CHANNEL TO PORT HARLINGEN							
Mile 0 to Mile 8	12/02	200-125	8.0	12	9.0	11.0	8.0
Mile 8 to Mile 20	12/02	125	12.0	12	9.0	10.0	8.2
Mile 20 to Mile 25.9	12/02	125	5.9	12	9.0	10.0	8.0
Turning Basin	12/02	400	0.1	12	12.0	12.0	11.5
SIDE CHANNELS AT PORT ISABEL							
60-foot channel	4/99	60	0.2	12	9.0	12.0	10.0
125-foot channel	4/99	125	1.1	12	10.0	11.0	10.0
PORT ISABEL SMALL BOAT HARBOR					**USABLE DIMENSIONS**		
Entrance Channel	10/03	75	1.5	9	4.9	4.4	4.5
Harbor Channel	07/02	50	0.3	7		3.6 ft by 50 ft	
Basin	10/03	50-500	0.3	6	5.7	5.3	3.2

March 2004

SHALLOW DRAFT CHANNELS		Date of Survey	Feet Width	Miles Length	Feet Depth	PROJECT DIMENSIONS / PROJECT CONDITIONS: Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
HOUSTON SHIP CHANNEL, TRIBUTARY CHANNELS								
CEDAR BAYOU								
Houston Ship Channel to U.S. Steel Dock		08/03	100	5.5	11	7.0	8.0	6.0
ATKINSON ISLAND								
Barge Mooring Basin		1/02	100-150	1.8	12	9.4	9.5	9.3
GREENS BAYOU CHANNEL								
First bend to Parker Brothers Slip		07/03	150-100	1.3	15	11.9	13.2	11.4
BRADY ISLAND CHANNEL						**Left ½**		**Right ½**
Upstream from Cypress Str. Bridge		7/99	50	0.3	10	13.0		11.0
Downstream from Cypress Str. Bridge		7/99	50	0.5	10	12.0		12.0
CHANNEL IN BUFFALO BAYOU								
Houston Turning Basin to 69th Street Bridge		02/03	60	0.8	10	14.0	13.0	13.0
69th Street Bridge to Lockwood Drive Bridge		02/03	60	1.5	10	10.0	8.0	6.0
Lockwood Drive Bridge to Jensen St.Bridge	②	02/03	60	1.7	10	5.0	4.0	2.0
Turkey Bend Channel	①	02/03	60	0.8	10	7.3	9.7	5.3
Jensen Street Bridge to Southern Pacific Dock		3/94	60	0.6	9		10ft by 50ft	

March 2004

SHALLOW DRAFT CHANNELS	Date of Survey	Feet Width	Miles Length	Feet Depth	PROJECT DIMENSIONS / PROJECT CONDITIONS: Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
USABLE DEPTHS IN OTHER SMALL ACTIVE CHANNELS					**USABLE DIMENSIONS**		
CHANNEL TO PORT BOLIVAR	4/99	200	0.1	14	18.0 ft by 200 ft		
DICKINSON BAYOU							
Light 2 to Light 27	10/03	60	9.9	6	6.0	5.0	5.0
Light 27 to Highway 146 Bridge	10/03	60	1.5	6	2.0	2.0	1.0
CHANNEL TO LIBERTY							
Houston Ship Channel to Smith Point	3/02	150	6.4	9	0.2	0.2	0.2
Anahuac Channel	⑧ 08/03	100	6.4	6.0	0.0	1.0	5.0
Anahuac Channel to Texas Gulf Sulphur Slip	6/01	100	11.3	6.0	4.6	4.5	4.1
Texas Gulf Sulphur Slip to Devers Canal	2/94	100	9.5	6	4.0 ft at centerline		
Devers Canal to South Liberty Oil Field	7/01	100	12.2	6	+0.4' x 100'		
South Liberty Oil Field to Cut Off Channel	7/01	100	2.2	6	+0.1, +2.6, +1.5		
Cut Off Channel to Liberty	7/01	100	3.1	6	-3.2, +1.6, +2.6		
CLEAR CREEK AND CLEAR LAKE							
Entrance Channel	4/02	75	3.3	9	2.3	2.4	2.2
North Fork Channel	5/88	60	0.7	7	1.0 ft by 60 ft		
Clear Lake Channel	4/02	60	2.8	7	2.3	2.4	2.2
Clear Creek Channel	5/98		3.8		7.0 ft by 60 ft		
Five Mile Cut	1/02	125	1.9	12	3.2	3.6	3.7
Jewel Fulton Canal	6/02	100	0.9	16	15.7 ft by 100 ft		
RINCON CANAL							
Channel	7/01	100-618	4.8	12	12.0	12.0	12.0
Turning Basin	7/01	275	0.1	12	12.0	12.0	12.0

March 2004

SHALLOW DRAFT CHANNELS	Date of Survey	PROJECT DIMENSIONS Feet Width	Miles Length	Feet Depth	PROJECT CONDITIONS Left ¼ Channel (Feet)	Middle ½ Channel (Feet)	Right ¼ Channel (Feet)
Brownsville Fishing Boat Harbor							
Entrance Channel	3/02	100	0.2	15		13.0 ft by 100 ft	
Connecting Channel	3/02	265	0.2	15		14.5 ft by 265 ft	
West Basin	3/02	305-370	0.3	15		14.5 ft by 305 ft	
Middle Basin	3/02	305-370	0.2	15		14.5 ft by 305 ft	
East Basin	3/02	370	0.3	15		14.5 ft by 370 ft	

NOTES:

① Except for shoaling at very end of channel, the rest is clear.

② Depth 2 ft. at station 170+47 on right toe, and drops to 10 ft. on left toe.

③ Depth of -5.8 ft. is located on right quarter of channel looking north between Lat. 26. 57' 53.19" N and Long. 97. 27' 11.41" W. Otherwise controling depth of left quarter is 10.4'.

④ Shoaling between Mile Marker 319.50 and Mile Marker 320.29.

⑤ Shoaling between Mile Marker 419.77 and Mile Marker 420.41.

⑥ Minor shoaling between mile marker 418.02 & mile marker 424.23.

⑦ Entire are is not shoaled up, minor shoaling on south bank toe between Mile Marker 400.93 to Mile Marker 403.56.

⑧ Depths well below required depth on far right side looking toward Bay.

⑨ Depths in Colorado West Locks are: Left 1/4 = 8.23; Middle = 14.81; Right 1/4 = 8.5.